

[Air and Water Purifying System And Filter Media]

Abstract

Disclosed is an air-purifying, air humidifying or dehumidifying, and air cooling or heating, generating water from the atmospheric moisture, water storing, purifying, and an energy efficient distillation apparatus, which efficiently introduces fresh air indoors is disclosed, comprising of an air-to-air heat exchanger, water and air and light contacting chamber, a novel water distillation apparatus, a water filtration system, a water filtration media, a toxic chemical or biological warfare threat detector and neutralizer.